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2 PCIS - a visual decision tool for construction and design management

Fukai, D.; Srinivasan, R.;

Information Visualisation, 2001. Proceedings. Fifth International Conference on , 25-27 July 2001

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3 Mixed initiative in design space exploration

Datta, S.; Burrow, A.L.; Woodbury, R.F.;

Computer Human Interaction Conference, 1998. Proceedings. 1998 Australasian , 30 Nov.-4 Dec. 1998

Pages:338

[\[Abstract\]](#) [\[PDF Full-Text \(12 KB\)\]](#) IEEE CNF

4 A declarative language for the design of structures

Cox, P.T.; Smedley, T.J.;

Visual Languages, 1997. Proceedings. 1997 IEEE Symposium on , 23-26 Sept 1997

Pages:438 - 445

[\[Abstract\]](#) [\[PDF Full-Text \(776 KB\)\]](#) IEEE CNF

5 Teaching engineering for architectural projects: a networked multim approach

Webster, A.C.; Friedman, M.B.; Rosenbaum, P.;

Frontiers in Education Conference, 1995. Proceedings., 1995 , Volume: 2 , 1-Nov. 1995

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6 A regularity-based hierarchical symbolic analysis method for large-s analog networks

Doboli, A.; Vemuri, R.;

Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactio [see also Circuits and Systems II: Express Briefs, IEEE Transactions on] , Volu 48 , Issue: 11 , Nov. 2001

Pages:1054 - 1068

[\[Abstract\]](#) [\[PDF Full-Text \(303 KB\)\]](#) IEEE JNL

7 A specification language for the optimal design of exotic FIR filters second-order cone programs

Coleman, J.O.; Scholnik, D.P.; Brandriss, J.J.;

Signals, Systems and Computers, 2002. Conference Record of the Thirty-Sixt Asilomar Conference on , Volume: 1 , 3-6 Nov. 2002

Pages:341 - 345 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(422 KB\)\]](#) IEEE CNF

8 Visualized construction process on virtual reality

Wooyoung Kim; Hyoung Chul Lim; Okkyue Kim; Yoon Ki Choi; Ilyun-Soo Lee; Information Visualisation, 2001. Proceedings. Fifth International Conference on , 25-27 July 2001

Pages:684 - 689

[\[Abstract\]](#) [\[PDF Full-Text \(412 KB\)\]](#) IEEE CNF

9 Reconstruction of the 3D structure of a building from the 2D drawin its floors

Dosch, P.; Masini, G.;

Document Analysis and Recognition, 1999. ICDAR '99. Proceedings of the Fift International Conference on , 20-22 Sept. 1999

Pages:487 - 490

[\[Abstract\]](#) [\[PDF Full-Text \(88 KB\)\]](#) IEEE CNF

10 The STEP standard as an approach for design and prototyping

Plantec, A.; Ribaud, V.;

Rapid System Prototyping, 1998. Proceedings. 1998 Ninth International Work on , 3-5 June 1998

Pages:89 - 94

[\[Abstract\]](#) [\[PDF Full-Text \(56 KB\)\]](#) IEEE CNF

11 Short-term load forecasting: CEMIG power industry's approach

Lambert-Torres, G.; Alves da Silva, A.P.; Costa, C.I.A.; Cardoso, A.F.; Marra, Systems, Man, and Cybernetics, 1997. 'Computational Cybernetics and

Simulation', 1997 IEEE International Conference on , Volume: 4 , 12-15 Oct.

Pages:3289 - 3294 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(596 KB\)\]](#) [IEEE CNF](#)

12 Layout-based 3D solid modeling for IC

Zhiping Yu; Wang, K.; Tao Chen; Dutton, R.W.; Watt, J.T.;

VLSI Technology, Systems, and Applications, 1995. Proceedings of Technical Papers., 1995 International Symposium on , 31 May-2 June 1995
Pages:108 - 112

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13 System modeling, performance analysis, and evolutionary prototyping with hardware description languages

Mohanty, S.; Krishnaswamy, V.; Wilsey, P.A.;

Modeling, Analysis, and Simulation of Computer and Telecommunication Systems 1995. MASCOTS '95., Proceedings of the Third International Workshop on , 18 Jan. 1995
Pages:312 - 318

[\[Abstract\]](#) [\[PDF Full-Text \(552 KB\)\]](#) [IEEE CNF](#)

14 Incremental meta-data construction for VLSI design databases

Tzi-Cker Chiueh; Katz, R.H.;

Design Automation, 1992. Proceedings. [3rd] European Conference on , 16-19 March 1992
Pages:399 - 403

[\[Abstract\]](#) [\[PDF Full-Text \(504 KB\)\]](#) [IEEE CNF](#)

15 TOSCA: a simulator for oversampling converters with behavioural modeling

Dias, V.F.; Liberali, V.; Maloberti, F.;

CompEuro '91. 'Advanced Computer Technology, Reliable Systems and Applications'. 5th Annual European Computer Conference. Proceedings. , 13-1 May 1991
Pages:467 - 471

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1 Learning in movement and control
Suganuma, Y.; Ito, M.;

Systems, Man and Cybernetics, IEEE Transactions on , Volume: 19 , Issue:

2 , March-April 1989

Pages:258 - 270

[\[Abstract\]](#)
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IEEE JNL
2 Consumer incentives toward construction of supply chain for inverse manufacturing
Masui, K.; Fujimoto, J.; Ito, T.; Sato, E.; Hayakawa, Y.; Matsunaga, M.; Miko M.; Yuda, T.;

Environmentally Conscious Design and Inverse Manufacturing, 2001. Proceed EcoDesign 2001: Second International Symposium on , 11-15 Dec. 2001

Pages:721 - 724

[\[Abstract\]](#)
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IEEE CNF
3 Development of building-integrated PV modules using color solar cells for various exterior walls
Ishikawa, N.; Kanai, M.; Hide, I.; Nagai, T.; Ito, T.; Izumiyama, H.; Yoshida, Nii, T.; Tazawa, K.; Harada, T.;

Photovoltaic Specialists Conference, 1997., Conference Record of the Twenty-IEEE , 29 Sept.-3 Oct. 1997

Pages:1289 - 1291

[\[Abstract\]](#)
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4 A new type of photovoltaic shingle
Okuda, N.; Yagiura, T.; Morizane, M.; Nakamura, N.; Ohnishi, M.; Nakano, S. T.; Omoto, S.; Yamashita, Y.; Ito, H.; Fujiwara, T.;

Photovoltaic Energy Conversion, 1994., Conference Record of the Twenty Four IEEE Photovoltaic Specialists Conference - 1994, 1994 IEEE First World Confe

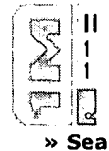
on , Volume: 1 , 5-9 Dec. 1994

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6 A blackboard system for the construction of composite materials

Fathi, M.; Hoffmann, A.;

Developing and Managing Expert System Programs, 1991., Proceedings of the IEEE/ACM International Conference on , 30 Sept.-2 Oct. 1991

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1 The case for universal standards to cover the structural components practices used in emergency restoration systems

Pohlman, J.C.;

Transmission and Distribution Construction, Operation and Live-Line Maintenance Proceedings. 2000 IEEE ESMO - 2000 IEEE 9th International Conference on , Oct. 2000

Pages:109 - 116

[\[Abstract\]](#) [\[PDF Full-Text \(472 KB\)\]](#) **IEEE CNF**

2 Preliminary engineering of a biomimicking vascular graft

Bowlin, G.L.; Pawlowski, K.J.;

[Engineering in Medicine and Biology, 1999. 21st Annual Conf. and the 1999 Annual Fall Meeting of the Biomedical Engineering Soc.] BMES/EMBS Conference 1999. Proceedings of the First Joint , Volume: 1 , 13-16 Oct. 1999

Pages:127 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(104 KB\)\]](#) **IEEE CNF**

3 A blackboard system for the construction of composite materials

Fathi, M.; Hoffmann, A.;

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1 On fundamentals of computer-aided design of firmware 80%



Igor Hansen , Jacek Leszczylowski

Proceedings of the 13th annual workshop on Microprogramming November 1980

A real-time model of microprogrammed hardware is described. It is used for firmware classification and for stating the conditions under which an equivalent discrete-time model can be introduced. We also give a brief description of a computer-aided firmware design system, which was based on these models.

2 Vertical benchmarks for CAD 80%



Christopher Inacio , Herman Schmit , David Nagle , Andrew Ryan , Donald E. Thomas , Yingfai Tong , Ben Klass

Proceedings of the 36th ACM/IEEE conference on Design automation conference June 1999

3 An Environment for Dynamic Component Composition for Efficient Co-Design 77%



F. Doucet , S. Shukla , R. Gupta , M. Otsuka

Proceedings of the conference on Design, automation and test in Europe March 2002

This article describes the Balboa component integration environment that is composed of three parts: a script language interpreter, compiled C++ components, and a set of Split-Level Interfaces to link the interpreted domain to the compiled domain. The environment applies the notion of split-level programming to relieve system engineers of software engineering concerns and to let them focus on system architecture. The script language is a Component Integration Language because it implements a component m ...

4 Class management for software communities 77%



Simon Gibbs , Eduardo Casais , Oscar Nierstrasz , X. Pintado , Dennis Tsichritzis

Communications of the ACM September 1990

Volume 33 Issue 9

Object-oriented programming may engender an approach to software development

characterized by the large-scale reuse of object classes. Large-scale reuse is the use of a class not just by its original developers, but by other developers who may be from other organizations, and may use the classes over a long period of time. Our hypothesis is that the successful dissemination and reuse of classes requires a well-organized community of developers who are ready to share ideas, methods, tools and ...

5 Defining and implementing a multilevel design representation with simulation applications 77%



J. A. Nestor , D. E. Thomas

Proceedings of the nineteenth design automation conference January 1982

A design representation that incorporates descriptions at more than one level of abstraction is called a multilevel representation. This paper describes a multilevel representation which includes behavioral and structural levels of description, and a multilevel analysis aid, called timing abstraction, which extracts timing information from a structural design and adds it to a behavior level description. With this design aid, alternate implementations of the same behavior, generated using th ...

6 SABLE: A tool for generating structured, multi-level simulations 77%



D. D. Hill , W. M. vanCleemput

Papers on Twenty-five years of electronic design automation June 1988

7 Parallelism in processing queries on complex objects 77%



T. Harder , H. Schoning , A. Sikeler

Proceedings of the first international symposium on Databases in parallel and distributed systems January 2000

Complex objects to support non-standard database applications require the use of substantial computing resources because their powerful operations and their related integrity constraints must be performed and maintained in an interactive environment. Since the exploitation of parallelism within such operations seems to be promising, we investigate the principal approaches for processing a query on complex objects (molecules) in parallel. A number of arguments favor methods based on intermo ...

8 Three dimensional UML using force directed layout 77%



Tim Dwyer

Australian symposium on Information visualisation - Volume 9 December 2001

There is evidence to suggest that three dimensional representations of connected graphs have a number of advantages in conveying information to users over their two-dimensional counterparts. In this paper we explore the use of a Force Directed Algorithm to layout three dimensional UML Class diagrams representing the architecture of object oriented software systems. We describe a simple evaluation and usability study conducted on the proposed system and present our findings which indicate some un ...

9 Interactive computer graphics for computer aided design in civil engineering 77%



John L. Wilson , Charles R. Lansberry

ACM SIGGRAPH Computer Graphics , Proceedings of the 3rd annual conference on Computer graphics and interactive techniques July 1976

Volume 10 Issue 2

Interactive computer graphics can be an effective and efficient aid in the analysis/design cycle of engineering problems. The vistas of much engineering research and design can be expanded with the tools and methodology available with the introduction of an interactive computer graphics (ICG) system into an academic

or industrial environment. Specific attention is given in this paper to new areas of application of ICG in civil engineering; guidelines for the planning of ICG systems; practical ap ...

10 A hierarchical boundary model for solid object representation 77%



Leila De Floriani , Bianca Falcidieno

ACM Transactions on Graphics (TOG) January 1988

Volume 7 Issue 1

A new hierarchical model for solid object representation is described. This model, called a hierarchical face adjacency hypergraph (HFAH), is based on a relational description of the object boundary, called a face adjacency hypergraph (FAH), which considers faces as the primary topological entities defining the object boundary. The HFAH consists of a hierarchy of FAHs describing the decomposition of the boundary of an object into form features. In this paper ...

11 A model of design representation and synthesis 77%



Robert A. Walker , Donald E. Thomas

Proceedings of the 22nd ACM/IEEE conference on Design automation June 1985

To represent the increasingly complex designs being produced today, we have developed a unified model of design representation that uses three hierarchical, non-isomorphic domains of description that can be coordinated to represent the entire design. Each of these domains contains multiple levels of abstraction; both the domains and the levels are described in detail in this paper. We then show how this model of design representation can be used as a model of design sy ...

12 A simulation-based production testbed 77%



Albert Jones , Michael Iuliano

Proceedings of the 29th conference on Winter simulation December 1997

13 Dynamic objects for engineering automation 77%



Robert E. Phillips

Communications of the ACM May 1997

Volume 40 Issue 5

14 Analogical reasoning for knowledge discovery in a molecular biology 77%



database

Juergen Haas , Jeffrey S. Aaronson , G. Christian Overton

Proceedings of the second international conference on Information and knowledge management December 1993

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Author(s)

Riley-C-L; Rolton-D-J; Ed. by Smith-D-R; Jones-G-W.

Author affiliation

Redpath Dorman Long Contracting Ltd, Bedford, UK.

Source

CAD 76 2nd International Conference on Computers in Engineering and **Building** Design, London, UK, 23-25 March 1976, p.101-7.

Published: IPC Sci. & Technol. Press, Guildford, Surrey, UK, 1976, x +318 pp.

ISSN

ISBN: 0-902852-54-X.

Publication year

1976.

Language

EN.

Publication type

CPP Conference Paper.

Treatment codes

A Application; P Practical.

Abstract

Following completion of a 3500 tonne oil production platform for Shell /Esso, Red path Dorman Long (North Sea) Ltd., concentrated work on the second order from the same clients for the Brent A jacket structure. This structure was built by innovative **construction** methods which demanded that the client be satisfied that the structure would not be over-stressed and thus become damaged. Thorough and accurate analysis of complex constructional arrangements was therefore necessary. Temporary works design was also aided by the approach. A monitor of stress levels during erection of major **structural components** was also established. (0 refs).

Descriptors

civil-engineering; computer-aided-analysis; computer-aided-design; construction-industry; engineering-applications-of-computers; stress-analysis.

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contractors work; oil production jacket; complex constructional arrangements; stress levels; computer aided design; civil engineering; computer aided analysis; **construction** industry.

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DOCUMENT-IDENTIFIER: US 20020116239 A1

TITLE: Systems and methods for optimizing building materials

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Reinsma, Jeffrey Dean	Littleton	CO	US	
Larson, Reed H.	Parker	CO	US	
Spriggs, Arnold E.	Englewood	CO	US	

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Jan 6, 1998

US-PAT-NO: 5704189
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TITLE: Methods and apparatus for installing conductor cables in rigid building structures

DATE-ISSUED: January 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Collier; William R.	Montreal, Quebec			CA

US-CL-CURRENT: 52/741.1; 283/67, 283/70, 52/105

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw. De
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☐ 3. Document ID: US 5463838 A

L8: Entry 3 of 3

File: USPT

Nov 7, 1995

US-PAT-NO: 5463838

DOCUMENT-IDENTIFIER: US 5463838 A

TITLE: Methods and apparatus for installing conductor cables in rigid building structures

DATE-ISSUED: November 7, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Collier; William R.	Montreal, Quebec			CA

US-CL-CURRENT: 52/741.1; 283/67, 283/70, 52/105

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw D
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STRUCTURALS	101
COMPONENT?	0
COMPONENTA	30
COMPONENTB	8
COMPONENTC	4
COMPONENTD	5
COMPONENTE	36
COMPONENTI	127
COMPONENTJ	2
COMPONENTK	1
(L6 AND STRUCTURAL COMPONENT?).PGPB,USPT.	3

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☐ 1. Document ID: US 20040015254 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 17

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040015254

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040015254 A1

TITLE: Method for manufacturing a supporting and/or reference construction

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Vancraen, Wilfried Frans Isidoor	Huldenberg		BE	
Schueren, Bart Van Der	Kessel-Lo		BE	

US-CL-CURRENT: 700/97; 700/119, 700/182

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 20020198697 A1

L7: Entry 2 of 17

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020198697

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020198697 A1

TITLE: Universal epistemological machine (a.k.a. android)

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Datig, William E.	Centerport	NY	US	

US-CL-CURRENT: 704/1; 706/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20020116239 A1

L7: Entry 3 of 17

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020116239
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020116239 A1

TITLE: Systems and methods for optimizing building materials

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Reinsma, Jeffrey Dean	Littleton	CO	US	
Larson, Reed H.	Parker	CO	US	
Spriggs, Arnold E.	Englewood	CO	US	

US-CL-CURRENT: 705/7; 705/11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 20010046033 A1

L7: Entry 4 of 17

File: PGPB

Nov 29, 2001

PGPUB-DOCUMENT-NUMBER: 20010046033
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010046033 A1

TITLE: Laser projection apparatus with liquid-crystal light valves and scanning reading beam

PUBLICATION-DATE: November 29, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Troyer, Diane	Sherman Oaks	CA	US	

US-CL-CURRENT: 353/31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20010027389 A1

L7: Entry 5 of 17

File: PGPB

Oct 4, 2001

PGPUB-DOCUMENT-NUMBER: 20010027389
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010027389 A1

TITLE: Method and apparatus for risk management

PUBLICATION-DATE: October 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Beverina, Anthony	Falls Church	VA	US	
Ware, Bryan	Fairfax	VA	US	

US-CL-CURRENT: 703/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. De
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☐ 6. Document ID: US 20010027388 A1

L7: Entry 6 of 17

File: PGPB

Oct 4, 2001

PGPUB-DOCUMENT-NUMBER: 20010027388
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010027388 A1

TITLE: Method and apparatus for risk management

PUBLICATION-DATE: October 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Beverina, Anthony	Falls Church	VA	US	
Ware, Bryan	Fairfax	VA	US	

US-CL-CURRENT: 703/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. De
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☐ 7. Document ID: US 6575218 B1

L7: Entry 7 of 17

File: USPT

Jun 10, 2003

US-PAT-NO: 6575218
DOCUMENT-IDENTIFIER: US 6575218 B1

TITLE: Method and apparatus for automatic fabrication of three dimensional object

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burns; Marshall	Los Angeles	CA	90024	
Hayworth; Kenneth J.	Northridge	CA	91326	
McGinnis; Kim F.	Springfield	MO	65804	

US-CL-CURRENT: 156/512; 156/248, 156/257, 156/264, 156/268, 156/344, 156/517,
156/563, 156/584

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. De
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☐ 8. Document ID: US 6341372 B1

L7: Entry 8 of 17

File: USPT

Jan 22, 2002

US-PAT-NO: 6341372

DOCUMENT-IDENTIFIER: US 6341372 B1

TITLE: Universal machine translator of arbitrary languages

DATE-ISSUED: January 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Datig; William E.	Centerport	NY	11721	

US-CL-CURRENT: 717/136; 715/523

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 9. Document ID: US 6233545 B1

L7: Entry 9 of 17

File: USPT

May 15, 2001

US-PAT-NO: 6233545

DOCUMENT-IDENTIFIER: US 6233545 B1

TITLE: Universal machine translator of arbitrary languages utilizing epistemic moments

DATE-ISSUED: May 15, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Datig; William E.	Centerport	NY	11721	

US-CL-CURRENT: 704/2; 704/9, 706/62

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 10. Document ID: US 6183092 B1

L7: Entry 10 of 17

File: USPT

Feb 6, 2001

US-PAT-NO: 6183092

DOCUMENT-IDENTIFIER: US 6183092 B1

TITLE: Laser projection apparatus with liquid-crystal light valves and scanning reading beam

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Troyer; Diane

Sherman Oaks

CA

91403

US-CL-CURRENT: 353/31; 349/22, 359/197

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 11. Document ID: US 5879489 A

L7: Entry 11 of 17

File: USPT

Mar 9, 1999

US-PAT-NO: 5879489

DOCUMENT-IDENTIFIER: US 5879489 A

TITLE: Method and apparatus for automatic fabrication of three-dimensional objects

DATE-ISSUED: March 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burns; Marshall	Los Angeles	CA	90024	
Hayworth; Kenneth J.	Northridge	CA	91326	
McGinnis; Kim F.	Springfield	MO	65804	

US-CL-CURRENT: 156/64; 156/234, 156/249, 156/268

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 12. Document ID: US 5764518 A

L7: Entry 12 of 17

File: USPT

Jun 9, 1998

US-PAT-NO: 5764518

DOCUMENT-IDENTIFIER: US 5764518 A

TITLE: Self reproducing fundamental fabricating machine system

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Collins; Charles M.	Burke	VA	22015	

US-CL-CURRENT: 700/95; 700/117

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 13. Document ID: US 5704189 A

L7: Entry 13 of 17

File: USPT

Jan 6, 1998

US-PAT-NO: 5704189

DOCUMENT-IDENTIFIER: US 5704189 A

TITLE: Methods and apparatus for installing conductor cables in rigid building structures

DATE-ISSUED: January 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Collier; William R.	Montreal, Quebec			CA

US-CL-CURRENT: 52/741.1; 283/67, 283/70, 52/105

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 14. Document ID: US 5659477 A

L7: Entry 14 of 17

File: USPT

Aug 19, 1997

US-PAT-NO: 5659477

DOCUMENT-IDENTIFIER: US 5659477 A

TITLE: Self reproducing fundamental fabricating machines (F-Units)

DATE-ISSUED: August 19, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Collins; Charles Michael	Burke	VA	22015	

US-CL-CURRENT: 700/95; 700/117

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 15. Document ID: US 5463838 A

L7: Entry 15 of 17

File: USPT

Nov 7, 1995

US-PAT-NO: 5463838

DOCUMENT-IDENTIFIER: US 5463838 A

TITLE: Methods and apparatus for installing conductor cables in rigid building structures

DATE-ISSUED: November 7, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Collier; William R.	Montreal, Quebec			CA

US-CL-CURRENT: 52/741.1; 283/67, 283/70, 52/105

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 16. Document ID: US 5380978 A

L7: Entry 16 of 17

File: USPT

Jan 10, 1995

US-PAT-NO: 5380978

DOCUMENT-IDENTIFIER: US 5380978 A

TITLE: Method and apparatus for assembly of car bodies and other 3-dimensional objects

DATE-ISSUED: January 10, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pryor; Timothy R.	Windsor, Ontario			CA

US-CL-CURRENT: 219/121.64; 219/121.79, 219/121.83

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 17. Document ID: US 4551810 A

L7: Entry 17 of 17

File: USPT

Nov 5, 1985

US-PAT-NO: 4551810

DOCUMENT-IDENTIFIER: US 4551810 A

** See image for Certificate of Correction **** See image for Reexamination Certificate **

TITLE: Method and apparatus for designing duct work and for producing patterns for conduit sections in the designed duct work

DATE-ISSUED: November 5, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levine; Richard W.	Dobbs Ferry	NY		

US-CL-CURRENT: 700/182; 700/163, 700/167, 700/171, 700/183, 703/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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Term	Documents
COMPUTER-AIDED	8628
COMPUTER-AIDEDS	0
MANUFACTURING	655370
MFG	16475
CAM	200775

CAMS	52772
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